						D S CHANDRU (ASHRAYA

Comparative Statement

BBMP/2020-21/OW/WORK_INDENT44063

Construction of Compound Wall and other developmental works at Vidyaranyapura Burial ground in ward no 10

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	D S CHANDRU (ASHRAYA CONSTRUCTIONS)	
						Quoted Rate	Total Amount
1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)	Cum	519.59	394.42	204936.69	300.00	155877.00
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Cum	130.42	5421.90	707124.20	6000.00	782520.00
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.6).	Cum	180.89	4871.76	881252.67	6000.00	1085340.00
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)	Cum	90.85	5747.32	522144.02	6500.00	590525.00
5	KSRB 5-14: Providing and constructing load bearing wall with solid oncrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4, with solid concrete blocks of size 400x150x200mm (P.No-27,I No-5.26.2)	Sqm	1502.69	979.44	1471794.69	1200.00	1803228.00

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6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. (P.No-14,I No-4.11)	Cum	13.68	5998.54	82060.03	7000.00	95760.00
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 (P.No-18,I No-4.46.2)	MT	1.37	75223.96	103056.83	80000.00	109600.00
8	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-116,I No-15.16) cement mortar 1:4	Sqm	1153.35	276.66	319085.81	250.00	288337.50
9	KSRB15-3 : Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-115,I No-15.13) cement mortar 1:4	Sqm	241.30	234.26	56526.94	250.00	60325.00
10	KSRB 15.3 : Providing 12mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-115,I No-15.10) cement mortar 1:4	Sqm	41.79	216.24	9036.67	250.00	10447.50
11	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P.No-120,I No-5.53.1)	Sqm	1140.15	94.34	107561.75	90.00	102613.50

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12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification (P.No-45,I No-7.37)	Sqm	34.08	3192.72	108807.90	6500.00	221520.00
13	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I No.5.30)	Nos	2973.00	432.48	1285763.04	500.00	1486500.00
14	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I No 24.1 of PW, P&IWTD SR 2018-19)	Sqm	401.40	84.80	34038.72	100.00	40140.00
15	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.No-103,I No-14.6), 60mm thick	Sqm	385.20	1116.18	429952.54	950.00	365940.00
16	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses (P.No-299,I No-38.30)	Sqm	127.60	729.28	93056.13	450.00	57420.00

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17	Fabricating, supplying & erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification(P.No-43,I No-7.30)	Kgs	1620.80	135.68	219910.14	135.00	218808.00
18	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.(P.No-109,I No-38.30)	Sqm	119.45	1097.10	131048.60	1100.00	131395.00
19	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.(P.No-108,I No-14.40)	Sqm	156.66	1238.08	193957.61	1100.00	172326.00
20	KSRB 7.3 : Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM complete as per specifications. Double leaf door of size 2.4x2.4m Specification No. KBS 7.9 / 7.12(P.No-33,I No-7.3)	Sqm	20.16	2892.74	58317.64	4500.00	90720.00
21	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlockingarrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, ith bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM complete as per specifications.(P.No-33,I No-7.5)	Sqm	4.41	2763.42	12186.68	7500.00	33075.00
22	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. (P.No-34,I No-7.9)	Kgs	9.85	100.70	991.90	130.00	1280.50

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23	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. With 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections	Sqm	6.00	4521.96	27131.76	5000.00	30000.00
24	KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) (P.No-96,I No-13.78)	Nos	2.00	7237.68	14475.36	8500.00	17000.00
25	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings andbrackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No-79,I No-12.1)	Pan	4.00	3716.36	14865.44	4500.00	18000.00
26	KSRB 11.5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.. (P.No-79,I No-12.5)	Each	4.00	5095.42	20381.68	6500.00	26000.00
27	KSRB 11.7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x280x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. flange complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No-80,I No-12.7)	Unit	6.00	3716.36	22298.16	4000.00	24000.00

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	D S CHANDRU (ASHRAYA CONSTRUCTIONS)	
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28	KSRB 11-11.2 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No-83,I No-12.24)	Unit	6.00	3716.36	22298.16	4500.00	27000.00
29	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) (P.No-98,I No-13.85.4) 32mm nominal OD pipes	m	300.00	269.24	80772.00	350.00	105000.00
30	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). (P.No-99,I No-13.87.8) 75mm nominal OD pipes	m	100.00	1908.00	190800.00	550.00	55000.00
31	(Submersible Single Phase 4 inch/100mm) for SR 2018-19 (P.No-XLII, Sl No-1) 0.5 HP, Stage 5	Unit	2.00	9970.00	19940.00	8500.00	17000.00
32	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).	Sqm	505.80	111.30	56295.54	500.00	252900.00
33	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)	Cum	404.64	260.60	105449.18	250.00	101160.00
34	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	505.80	2337.00	1182054.60	1300.00	657540.00
35	Supplying heavy gauge PVC conduit pipe..... dia confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using MF screws. (ELE SR 2019-20 Page-2, Item-1.1.2)	m	25.00	65.00	1625.00	68.00	1700.00

SNo	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	D S CHANDRU (ASHRAYA CONSTRUCTIONS)	
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36	Supplying..... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary. (ELE SR 2019-20 Page-2, Item-1.2.2)	m	25.00	53.00	1325.00	55.00	1375.00
37	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc. c) 135x75x65mm	each	8.00	95.00	760.00	100.00	800.00
38	d)180x90x65mm	each	8.00	102.00	816.00	106.00	848.00
39	e)200x90x65mm	each	8.00	111.00	888.00	116.00	928.00
40	Supplying and fixing PVC/metal conduit accessories.(3/5) (ELE SR 2019-20 Page-3, Item-1.5.3)	each	8.00	60.00	480.00	63.00	504.00
41	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work cpmplete. a)12"x"12"x3" (330x300x76mm)	m	8.00	102.00	816.00	107.00	856.00
42	b)12"x9"x3" (300x228x76)	m	8.00	86.00	688.00	100.00	800.00
43	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. a) Short point up to 3Mtr from tapping point to out let via switchEach point	Point	8.00	200.00	1600.00	210.00	1680.00
44	b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch (Each point)	Point	8.00	275.00	2200.00	285.00	2280.00
45	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. a) Short point up to 3Mtr from tapping point to out let via switch box	Point	8.00	160.00	1280.00	173.00	1384.00
46	b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box	Point	8.00	250.00	2000.00	265.00	2120.00
47	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (ELE SR 2019-20 Page-9, Item-3.5)	each	12.00	175.00	2100.00	185.00	2220.00
48	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. a) 6Amps one way.	each	16.00	70.00	1120.00	75.00	1200.00
49	b) 32Amps DP switch	each	10.00	182.00	1820.00	195.00	1950.00
50	c) 6/16Amps universal socket	each	8.00	162.00	1296.00	180.00	1440.00

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						Quoted Rate	Total Amount
51	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring. (ELE SR 2019-20 Page-7, Item-2.7)	each	12.00	680.00	8160.00	65.00	780.00
52	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring. a. 4 sqmm	m	40.00	9.00	360.00	45.00	1800.00
53	b. 6 sqmm	m	40.00	12.00	480.00	65.00	2600.00
54	c. 10 sqmm	m	40.00	17.00	680.00	125.00	5000.00
55	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm .... Etc as required. (ELE SR 2019-20 Page-3, Item-1.8)	m	25.00	22.00	550.00	54.00	1350.00
56	Supplying PVC/GI flexible conduit pipe....mm dia fixing on surface over inverted wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pipe terminated completely. (ELE SR 2019-20 Page-03, Item-1.9)	Nos	8.00	22.00	176.00	54.00	432.00
57	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws. (ELE SR 2019-20 Page-11, Item26)	Nos	25.00	11.00	275.00	63.00	1575.00
58	Supplying a 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slap. (ELE SR 2019-20 Page-10, Item 3.10.2)	Nos	25.00	4.00	100.00	125.00	3125.00
	Total Summary Amount				8820968.06		9273045.00
	% against Estimated Rate						5.13
	Total Bid Amount					9273045.00 (L1)	

Executive Engineer
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30/9/2020